



Operations Report

Masa Tanaka
29-May-2003
CDF Weekly Meeting



This Week's Stores

Date	Store	Duration (hours)	Initial L (10^{30})	Delivered (nb $^{-1}$)	Live (nb $^{-1}$)	ϵ
Th 5/22	2581	6.4	6.5	98	50 (0)	51.2%
Fr 5/23	2600	11.4	20.8	579	463 (437)	80.0%
Sa 5/24	2604	17.1	35.7	1214	945 (730)	77.9%
Su 5/25	2606	15.6	32.2	1061	671 (640)	63.2%
Mo 5/26	2614	18.4	30.9	1127	855 (840)	75.9%
Total				4.08 pb $^{-1}$	2.98 (2.64)	73 (65)%



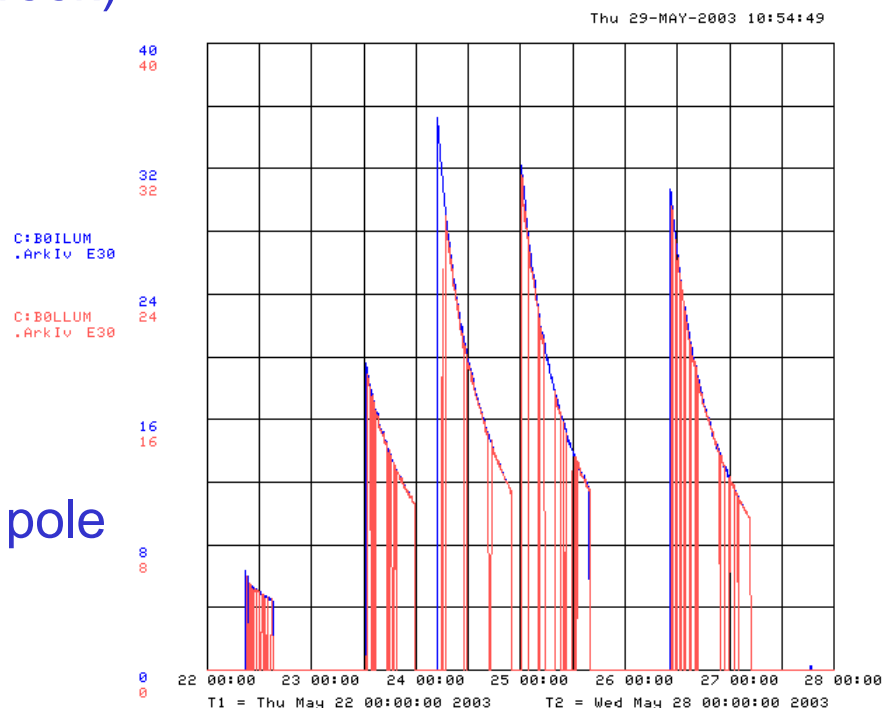
Accelerator status

- **This week's operation**

- 4 pb-1 delivered (10 pb-1 previous week)
- Two shot setup failure
- Initial Luminosity: $\sim 30e30$
 - Smaller pbar stack
 - Lower pbar transfer efficiency
- Large beam losses

- **Power pole replacement**

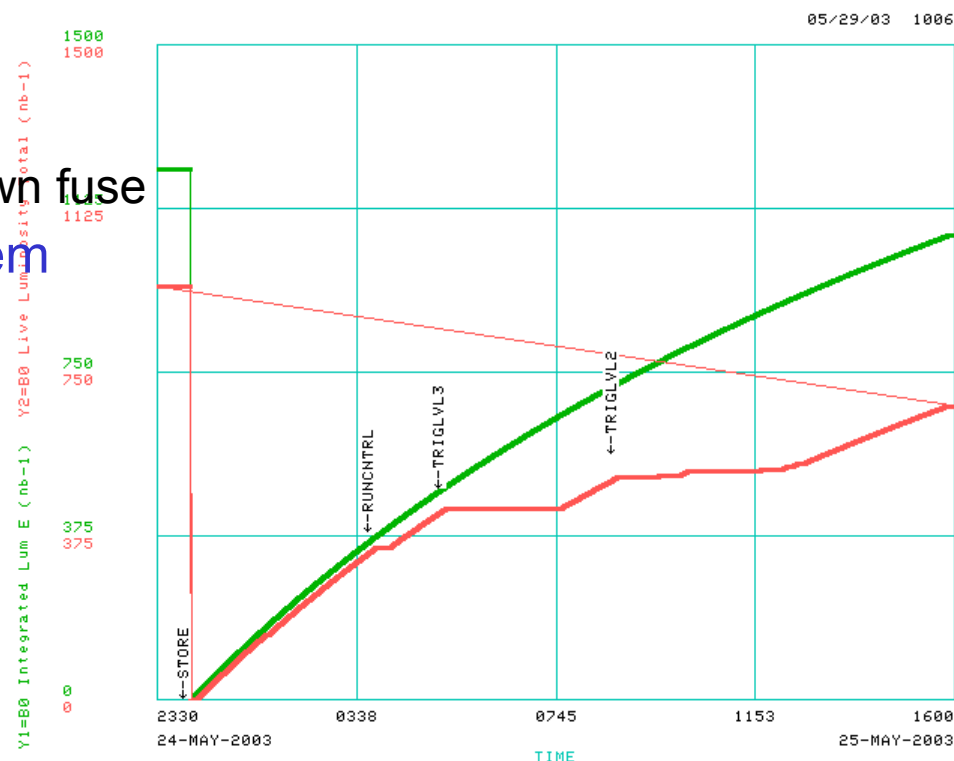
- Problems for digging hole to put the pole
- “Officially”, the schedule is on time
 - Power outage: 7am Friday
 - Next store: ~Saturday
- The schedule will be updated “after lunch”





Detector Status

- CDF is running as good (bad) as accelerator ...
 - 75% averaged data taking efficiency
 - High beam loss for few stores
- Level 2 (2606,2614)
 - It took 4 hours to recover
 - one of the interface board had blown fuse
 - System unstable after the problem
- Level 3
 - 1 Hardware failure (2614)
 - ~3 hours for recovering
 - 1 software failure (2600)
 - Beginning of the store
 - Some others (2604)





Supervised Access

- Tuesday 7am: Power outage
 - Detector recovered smoothly
 - Level 3 took ~12 hours for recovering the system
- Access: Tuesday 9am ~
 - Two main goals
 - COT SL8 HV (See Bob's talk)
 - CLC west side PMT replacement
 - Lots of other works (>50 keys)
 - Detector checkout is ongoing
- Plan:
 - Secure collision hall this afternoon



Summary/Plan

- It wasn't great week for both Tevatron and CDF
- Thanks for hard and safety access works
- Next week
 - “Beam study” week (by default)
 - We are asking “stack and store” week